

## SEQUENCE LISTING

<110> University of Rochester  
Miller, Benjamin L.  
Strohsahl, Christopher M.

<120> METHOD OF IDENTIFYING HAIRPIN DNA PROBES BY PARTIAL  
FOLD ANALYSIS

<130> 176/61751

<140>  
<141>

<150> 60/533,894  
<151> 2004-01-02

<160> 14

<170> PatentIn Ver. 2.1

<210> 1  
<211> 960  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Partial gene  
sequence of Bacillus anthracis pag gene

<400> 1  
atcttcgaac tcaagaaaaa agcgaagtac aagtgcgtga cctacgggttc cagaccgtga 60  
aagaactttt ctttcaccat ggatttctaa tattcatgaa aagaaaggat taaccaaata 120  
taaatcatct cctgaaaaat ggagcacggc ttctgatccg tacagtgatt tcgaaaagggt 180  
tacaggacgg attgataaga atgtatcacc agaggcaaga caccccccttg tggcagctta 240  
tccgattgtatcata gatgttagata tggagaatat tattctctca aaaaatgagg atcaatccac 300  
acagaataact gatagtcaaa cgagaacaat aagtaaaaat acttctacaa gtaggacaca 360  
tactagtgaa gtacatggaa atgcagaagt gcatgcgtcg ttctttgata ttgtgtggag 420  
tgtatctgca ggattttagta attcgaattc aagtagcggc gcaattgtatc attcactatc 480  
tctagcaggg gaaagaactt gggctgaaac aatgggttta aataccgctg atacagcaag 540  
attaaatgcc aatatttagat atgtaaatac tggacggct ccaatctaca acgtgttacc 600  
aacgacttcg ttagtgttag gaaaaaatca aacactcgcg acaattaaag ctaaggaaaa 660  
ccaattaagt caaataacttgc cacctaataa ttattatcct tctaaaaact tggcgccaaat 720  
cgcatatataat gcacaagacg atttcagttc tactccaatt acaatgaatt acaatcaatt 780  
tcttgagtttta gaaaaaacga aacaattaag attagatacg gatcaagtat atggaaat 840  
agcaacatac aattttgaaaa atggaagagt gaggggtggat acaggctcga actggagtga 900  
agtgttaccg caaattcaag aaacaactgc acgtatcatt ttatggaa aagatttaaa 960

<210> 2  
<211> 39  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Hairpin probe  
BaPag668-706 specific for *Bacillus anthracis* pag  
gene

<400> 2  
tttcttcac catggatttc taatattcat gaaaagaaaa 39

<210> 3  
<211> 34  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Hairpin probe  
BaPag1208-1241 specific for *Bacillus anthracis* pag  
gene

<400> 3  
tcgttagtgt taggaaaaaa tcaaacactc gcga 34

<210> 4  
<211> 350  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Partial  
sequence of *Staphylococcus aureus* genome  
  
<400> 4  
gaaatgaatg ttacggaaca aacgatgcaa caaaatcatg ctaatttaga ataaaataaa 60  
gatagtcgat aatatgatgc ctaggcagaa atattatcga ttatttttt taaatttag 120  
tataatatca ataataaacg aatagggttg ttaatattga ttatattttt gattttgatg 180  
gtacgttggc agacacgaaa aaatgtgtg acaaagtgc tttaaagcat gtggcttaac 240  
ggaaccatca tctaaaagaaa tatgggaata cctattgaag aatcattttt aaaatttagca 300  
gaccgaccat agcatttagca aagttaatcg atacatttag acatacatat 350

<210> 5

<211> 33  
<212> DNA  
<213> Artificial Sequence  
  
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<223> Description of Artificial Sequence: Hairpin probe  
AH2 specific for *Staphylococcus aureus* genome  
  
<400> 5  
cgataatatg atgccttaggc agaaatatta tcg

33

<210> 6  
<211> 37  
<212> DNA  
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<223> Description of Artificial Sequence: Hairpin probe  
BH2 specific for *Staphylococcus aureus* genome  
  
<400> 6  
tatcaataat aaacgaatag gggtgttaat attgata

37

<210> 7  
<211> 39  
<212> DNA  
<213> Artificial Sequence  
  
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<223> Description of Artificial Sequence: Complement of  
SEQ ID NO: 2  
  
<400> 7  
aaagaaaatg gtacctaaag attataagta cttttcttt

39

<210> 8  
<211> 34  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: Complement of  
SEQ ID NO: 3  
  
<400> 8

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34

<210> 9  
<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Complement of  
SEQ ID NO: 5

<400> 9  
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33

<210> 10  
<211> 37  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Complement of  
SEQ ID NO: 6

<400> 10  
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<210> 11  
<211> 49  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Hairpin probe  
with modified stem

<400> 11  
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49

<210> 12  
<211> 39  
<212> DNA  
<213> Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence: Hairpin probe  
with modified stem

<400> 12

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39

<210> 13

<211> 44

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe  
with modified stem

<400> 13

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44

<210> 14

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Hairpin probe  
with modified stem

<400> 14

cgacgactgt tagaaaaaaa tcaaacactc gtcg

34